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Substitute for form 1449A/PTO				Соп	plete if Known
	• .			Application Number	10/622,087
INFO	DRMATION	DISCLOSU	RE	Filing Date	July 18, 2003
STA	STATEMENT BY APPLICANT			I-I/St Named Inventor	Martin F. Bachmann
				Art Unit	1648
	(Use as many shee	ts as necessary)		Examiner Name	Michelle Horning
Sheet	1	of	4	Attorney Docket Number	1700.0350002/BJD

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee	Pages, Columns, Lines, Where
Initials*	No.'	No.1 Number-Kind Code ^{2 (f Known)}		or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
/MH/	AA1	US- 4,722,840	02/02/1988	Valenzuela et al.	
	AB1	US- 4,959,314	09/25/1990	Mark et al.	
	AC1	US- 5,143,726	09/01/1992	Thornton et al	
	AD1	US- 5,565,548	10/15/1996	Neurath et al.	
	AE1	US- 5,698,424	12/16/1997	Mastico et al.	
	AF1	US- 5,916,818	06/29/1999	Irsch et al.	
	AG1	US- 5,928,647	07/27/1999	Rock	
	AH1	US- 5,935,821	08/10/1999	Chatterjee et al.	
-	Al1	US- 6,004,763	12/21/1999	Gengoux et al.	
	AJ1	US- 6,054,312	04/25/2000	Larocca et al.	
	AK1	US- 6,180,771 B1	01/30/2001	Thomas et al.	
	AL1	US- 6,231,864	05/15/2001	Birkett	
	AM1	US- 6,380,364 B1	04/30/2002	Mueller et al.	
	AN1	US- 2002/0052311 A1	05/02/2002	Solomon et al.	
	A01	US- 2002/0064533 A1	05/30/2002	Murray	
	AP1	US- 2002/0081295 A1	06/27/2002	Schiller et al.	
	AQ1	US- 2003/0157479 A1	08/21/2003	Bachmann et al.	
	AR1	US- 2003/0175290 A1	09/18/2003	Renner et al.	

			FOREIGN PATENT DOC	UMENTS		
Examinus Initials*	Cite No.1	Foreign Patent Document Country Code ⁴ Kind Code ⁵ (in known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	AS1	EP 0 038 154 A1	10/21/1981	Garman et al.		
	AT1	WO 90/15878 A1	12/27/1990	Stanworth et al.		-
	AU1	EP 0 578 293 A1	01/12/1994	Van der Zee et al.		
	AV1	EP 0 385 610 B1	03/16/1994	Rowlands et al.		
	AW1	EP 0 465 081 B1	04/20/1994	Kossovsky et al.		
	AY1	EP 0 283 505 B1	07/06/1994	Hunter et al.		

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"Enter Office that issued the document. by the two-letter code (WIPO Standard ST.3). "For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document." Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Transaction is attached.
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Substitute for form	Substitute for form 1449A/PTO				plete if Known
	•	•		Application Number	10/622,087
INFO	DRMATION D	SCLOSUR	Œ	Filing Date	July 18, 2003
i	TEMENT BY			First Named Inventor	Martin F. Bachmann
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	(Use as many sheets	as necessary)		Examiner Name	Michelle Horning
Sheet	2	of	4	Attorney Docket Number	1700.0350002/BJD

Examiner	Cite	Document Number	Publication Date	Name of Patentee	Pages, Columns, Lines, Where
nitiels*	No. ¹	Number-Kind Code ^{2 (II Known)}	MM-DD-YYYY	or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
/MH/	AA2	US- 2003/0175711 A1	09/18/2003	Renner et al.	
	AB2	US- 2003/0219459 A1	11/27/2003	Bachmann et al.	
	AC2	US- 2004/0076611A1	04/22/2004	Bachmann et al.	
	AD2	US- 2004/0076645 A1	04/22/2004	Bachmann et al.	
	AE2	US- 6,827,937 B2	12/07/2004	Murray	
	AF2	US- 6,932,971 B2	08/23/2005	Bachmann et al.	
	AG2	US- 7,115,266 B2	10/03/2006	Bachmann	
	AH2	US- 7,128,911B2	10/31/2006	Bachmann et al.	·
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	AS2	WO 94/15585 A1	07/21/1994	Kossovsky et al.		
	 AT2	JP 09202735A	08/05/1997	Yoshiro et al.		
	AU2	WO 98/28624 A1	07/02/1998	Crameri et al.		
	AV2	WO 98/40100 A1	09/17/1998	Davis et al.		
	AW2	WO 99/28478 A1	06/10/1999	Frace et al.		
	AY2	WO 99/40934 A1	08/19/1999	Birkett		

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Substitute for form 1449A/PTO			Con	plete If Known	
			Application number	10/822,087	
INFORMATION D	DISCLOSUR	E	Fuing Date	July 18, 2003	
STATEMENT BY	APPLICAN	Т	First Named Inventor	Martin F. Bachmann	
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(Use as many sheets	as necessary)		Examiner Name	Michelle Horning	
Sheet 3	of	4	Attorney Docket Number	1700.0350002/BJD	

Cite	Document Number	Publication Date	Name of Patentee	Pages, Columns, Lines, Where
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Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ⁴ (Kind Code ⁵ (in known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^d
/MH/	AS3	WO 99/57289 A2	11/11/1999	Pumpens et al.		
	AT3	WO 00/23955 A1	04/27/2000	Schiller et el.		
	AU3	WO 00/32227 A2	06/08/2000	Renner et al.		
	AV3	WO 00/50461 A1	08/31/2000	Friede et al.		
	AW3	WO 01/53457 A2	07/26/2001	Srivastava		
	AY3	WO 01/62284 A2	08/30/2001	Birk et al.		

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				Application Number	10/622,087
INF	ORMATION	DISCLOSU	RE	Filing Date	July 18, 2003
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) heet 4 of 4	First Named Inventor	Martin F. Bachmann		
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	(Use as many shee	ets as necessary)		Examiner Name	Michelle Horning
Sheet	.4	of	4	Altomey Docket Number	1700.0350002/BJD

Examiner	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AS4	WO 01/85208 A2	11/15/2001	Sebbel et al.		
	AT4	WO 02/056905 A2	07/25/2002	Renner et al.		
	AU4	WO 02/056907 A2	07/25/2002	Maurer et al.		
	AV4 .	WO 03/024480 A2	03/27/2003	Bachmann et al.		-
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Substitute for	form 1449B	/РТО		Application Number	10/622,087
INFO	ORMA	TION D	ISCLOSURE	Filing Date	July 18, 2003
STA	TEME	NT BY	APPLICANT	First Named Inventor	Martin F. Bachmann
·	(Use as	many sheets a	s necessary)	Art Unit	1648
	·,			Examiner Name	Michelle Homing
Sheet	1	of	8	Attorney Docket Number	1700.0350002/BJD

		NON PATENT LITERATURE DOCUMENTS		
Examiner initials* Cite No.1 /MH/ NPL1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published		
		Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170(1):238-242, Academic Press, Inc. (1989)		
	NPL2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," Nature 406(6793):309-314, Nature Publishing Group (2000)		
	NPL3	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Cheomkine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," J. Exp. Med. 190(8):1123-1134, The Rockefeller University Press (1999)		
	NPL4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunology Today</i> 17(12):553-558, Elsevier Science Ltd. (1996)		
	NPL5	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)	1)	
	NPL6	Bachmann, M.F., et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8+ cytotoxic T lymphocytes," Eur. J. Immunol. 26(11):2595-2600, VCH Verlagsgesellschaft mbH (1996)		
	NPL7	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," J. Exp. Med. 189(7):1025-1031, The Rockefeller University Press (1999)		
·	NPL8	Bard, F. et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," Nat. Med. 6(8):916-919, Nature Publishing Company (2000)		
	NPL9	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, 175:29-55, (1997)		
V	NPL10	Bowie, J.U., et al., "Deciphering the message in protein sequences: tolerance to amino acid substitutions.," Science 247(4948):1306-1310, (1990)		

Examiner Signature	Date Considered	

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INF	ORMA	TION D	ISCLOSURE	Filling Date	July 18, 2003
STA	ATEME	ENT BY	APPLICANT	First Named Inventor	Martin F. Bachmann
	(Use as	s many sheets a	s necessary)	Art Unit	1648
				Examiner Name	Michelle Horning
Sheet	2	of	8	Attomey Docket Number	1700.0350002/BJD

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	т
/M	H/ NPL11	Brown, W.L., et al., "RNA bacteriophage capsid-mediated drug delivery and epitope presentation.," Intervirology 45(4-6):371-380, S. Karger AG Basel (2002)	
	NPL12	Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307(1):66-70, Elsevier Science Publishers B.V. (1992)	
	NPL13	Chackerian, B., et al., "Induction of autoantibodies to mouse CCR5 with recombinant papillomavirus particles," <i>Proc Natl. Acad. Sci USA</i> 96(5):2373-2378, (1999)	
	NPL14	Crameri, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137(1):69-75, Elsevier Science Publishers B.V. (1993)	
	NPL15	de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," J. Biol. Chem. 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)	
	NPL16	Dodart JC., et al., "Immunotherapy for Alzheimer's disease: will vaccination work?," TRENDS in Molecular Medicine 9(3):85-87, (2003)	,
·	NPL17	Donnelly, J.J., et al., "DNA Vaccines," Annu. Rev. Immunol. 15:617-648, Annual Reviews, Inc. (1997)	
	NPL18	Fehr, T., et al., "T cell-Independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," <i>Proc. Natl. Acad. Sci</i> 95(18):9477-9481, (1998)	
	NPL19	Fehr, T., et al., "Role of Repetitive Antigen Patterns for Induction of Antibodies Against Antibodies," J Exp. Med. 185(10):1785-1792, The Rockefeller University Press (1997)	
	NPL20	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," Vaccine 19(17-19):2615-2619, Elsevier Science, Ltd. (2001)	

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Substitute fe	or form 1449	В/РТО		Application Number	10/622,087
INF	ORMA	ATION DI	SCLOSURE	Filing Date	July 18, 2003
STA	STATEMENT BY APPLICANT			First Named Inventor	Martin F. Bachmann
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				Examiner Name	Michelle Homing
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/N	1H/ NPI	L21	Frenkel, D., et al., "Immunization against Alzheimer's beta -amyloid plaques via EFRH phage administration," PNAS 97(21):11455-11459, (2000)	
	NPI	L22	Frolov, I., et al., "Alphavirus-based expression vectors: strategies and applications," Proc. Natl. Acad. Sci 93(21):11371-11377, (1996)	
	NPI	L23	Gilman, S., et al., "Clinical effects of Abeta immunization (AN1792) in patients with AD in an interrupted trial," Neurology 64(9):1553-1562, (2005)	
	NPI	L24	Golmohammadi, R., <i>et al.</i> , "The crystal structure of bacteriophage Qβ at 3.5Å resolution," <i>Structure</i> 4(5):543-554, Current Biology, Ltd. (1996)	
	NPI	L25	Harris, S.J., et al., "Prediction of murine MHC class I epitopes in a major house dust mite allergen and induction of T1-type CD8+ T cell responses," <i>International Immunology</i> 9(2):273-280, (1997)	
	NPI	L 26	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel β Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159(4):1589-1593, The American Association of Immunologists (1997)	
	NPI	L27	Hilleman, M.R., "Six decades of vaccine development - a personal history," Nat. Med. Vaccine Suppl. 4(5 Suppl):507-514, (1998)	
	NPI	L28	Holtzman, D.M., et al., "Abeta immunization and anti-Abeta antibodies: potential therapies for the prevention and treatment of Alzheimer's disease," Advanced Durg Delivery Reviews 54(12):1603-1613, Elsevier Science (2002)	
	NPI	L29	lannolo, G., et al., "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," Biol. Chem. 378(6):517-521, Walter de Gruyter & Co. (1997)	
	NPI	L30	lannolo, G., et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248(4):835-844, Academic Press, Ltd. (1995)	

Examiner	Signature		Date	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Applicant's unique citation designation number (optional).
Applicant is to place a check mark here if English language Translation is attached.

<u> </u>				Com	plete if Known
Substitute n	or form 1449	в/РТО		Application Number	10/622,087
INF	ORMA	ATION DI	SCLOSURE	Filing Date	July 18, 2003
ST	ATEMI	ENT BY	APPLICANT	First Named Inventor	Martin F. Bachmann
	(Use a	is many sheets as	necessary)	Art Unit	1648
				Examiner Name	Michelle Homing
Sheet	4	of	8	Attorney Docket Number	1700.0350002/BJD

•	,	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T2
/MH/	NPL31	Janus, C., "Vaccines for Alzheimer's disease: how close are we?," CNS Drugs 17(7):457-474, Adis Data Information (2003)	
	NPL32	Jegerlehner, A., et al., "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," <i>Vaccine</i> 20(25-26):3104-3112, Elsevier Science, Ltd. (2002)	
	NPL33	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," Gene 23(3):245-254, Elsevier (1983)	
	NPL34	Klovins, J., et al., "Nucleotide sequence of a ssRNA phage from Acinetobacter: kinship to coliphages," <i>Journal of general Virology</i> 83(Pt 6):1523-1533, SGM (2002)	
	NPL35	Kovacsovics-Bankowski, M., et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," Proc. Natl. Acad. Sci. USA 90:4942-4946, National Academy Press (1993)	
	NPL36	Kozlovska, T.M., et al., "Recombinant RNA phage Qβ capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," <i>Gene</i> 137(1):133-137, Elsevier Science Publishers B.V. (1993)	
	NPL37	Kozlovska, T.M., et al., "RNA Phage Qβ Coat Protein as a Carrier for Foreign Epitopes," Intervirology 39(1-2):9-15, S. Karger AG (1996)	
	NPL38	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacterlophage," <i>Dokl. Akad. Nauk. SSSR</i> 287:452-455, Erivan Akademiia Nauk Armianskol Ssr (1986)	
	NPL39	Kratz, P.A., et al., "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci</i> 96(5):1915-1920, (1999)	
	NPL40	Lechner, F., et al. "Virus-like particles as a modular system for novel vaccines," Intervirology 45(4-6):212-217, S. Karger AG Basel (2002)	

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INF	ORMA	TION DI	SCLOSURE	Filing Date	July 18, 2003	
ST	ATEMI	ENT BY	APPLICANT	First Named Inventor	Martin F. Bachmann	
	(Use a	s many sheets as	necessary)	Art Unit	1648	
				Examiner Name	Michelle Horning	
Sheet	5	of	8	Attorney Docket Number	1700.0350002/BJD	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Initials* No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	Т
/MH/	NPL41	Lim, F., et al., "The RNA-binding Site of Bacteriophage Qβ Coat Protein," J. Biol. Chem. 271(50):31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)	
	NPL42	Loktev, V.B., et al., "Design of immunogens as components of a new generation of molecular vaccines," <i>J. Biotechnol.</i> 44(1-3):129-37, Elsevier Science (1996)	
	NPL43	Lo-Man, R., et al., "A recombinant virus-like particle system derived from parvovirus as an efficient antigen carrier to elicit a polarized Th1 immune response without adjuvant," Eur. J. Immunol. 28(4):1401-1407, Wiley-VCH Verlag GmbH (1998)	
	NPL44	McGeer, P.L., McGeer, E., "Is there a future for vaccination as a treatment for Alzheimer's disease?," Neurobiology of Aging 24(3):391-395, (2003)	
	NPL45	Minenkova, O.O., et al., "Design of specific immunogens using filamentous phage as the carrier," Gene 128(1):85-88, Elsevier Science Publishers B.V. (1993)	
	NPL46	NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovska, T.M., et al. (March 1994)	
	NPL47	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)	
	NPL48	NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., et al. (April 1998)	
	NPL49	NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al. (February 1999)	
	NPL50	NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., et al. (June 2003)	

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²Applicant is to place a check mark here if English language Translation is attached.

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INF	ORMA	TION	DISCLOSURE	Filing Date	July 18, 2003
ST	ATEM	ENT BY	APPLICANT	First Named Inventor	Martin F. Bachmann
	(Use a	s many sheet	s as necessary)	Art Unit	1648
				Examiner Name	Michelle Homing
Sheet	6	of	8	Attomey Docket Number	1700.0350002/BJD

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/MH/	NPL51	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)	
	NPL52	NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., et al. (January 2001)	
	NPL53	NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993)	
	NPL54	Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," <i>Mol. Immunol.</i> 26:53-62, Pergamon Press (1989)	
	NPL55	Ni, CZ., et al., "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," <i>Protein Sci.</i> 5:2485-2493, Cambridge University Press (1996)	
	NPL56	Nieland, J.D., et al., "Chimeric papillomavirus virus-like particles induce a murine self- antigen-specific protective and therapeutic antitumor immune response, "Journal of Cellular Biochemistry 73(2):145-152, Wiley-Liss Inc. (1999)	
	NPL57	Ormstad, H., et al., "Airborne house dust particles and diesel exhaust particles as allergen carriers.," Clinical and Experimental Allergy 28(6):702-708, Blackwell Science Ltd. (1998)	
	NPL58	O'Shea, E.K., et al., "Evidence That the Leucine Zipper is a Coiled Coil," Science 243(4890):538-542, American Association for the Advancement of Science (1989)	
	NPL59	O'Shea, E.K., et al., "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," Cell 68(4):699-708, Cell Press (1992)	
	NPL60	Pasek, M., et al., "Hepatitis B virus genes and their expression in E. coli," <i>Nature</i> 282(5739):575-578, Macmillan Journals Ltd. (1979)	

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ST	ATEM	ENT BY	APPLICANT	First Named Inventor	Martin F. Bachmann
	(Use a	s many sheets a	s necessary)	Art Unit	1648
				Examiner Name	Michelle Horning
Sheet	7	of	8 .	Attorney Docket Number	1700,0350002/BJD

		NON PATENT LITERATURE DOCUMENTS	
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	Τ2
/MH/	NPL61	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17(1-2):25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)	
	NPL62	Petrenko, V.A., <i>et al.</i> , "A library of organic landscapes on filamentous phage," <i>Protein Engin.</i> 9(9):797-801, Oxford University Press (1996)	
	NPL63	Priano, C., et al., "A Complete Plasmid-based Complementaion System for RNA Coliphage Qβ: Three Proteins of Bacteriophages Qβ (Group III) and SP (Group IV) can be Interchanged," J. Mol. Biol. 249(2):283-297, Academic Press, Ltd. (1995)	
	NPL64	Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16(11):1025-1031, Nature America, Inc. (1998)	
	NPL65	Robinson, C.R., and Sauer, R.T., "Optimizing the stability of single-chain proteins by linker length and composition mutagenesis," <i>PNAS</i> 95(11):5929-5934, National Academy of Science (1998)	
	NPL66	Roesch, P.L., and Blomfield, I.C., "Leucine alters the interaction of the leucine-responsive regulatory protein (Lrp) with the <i>fim</i> switch to stimulate site-specific recombination in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 27(4):751-761, Blackwell Science, Ltd. (1998)	,
-	NPL67	Roher, A.E., et al., "Isolation and Chemical Characterization of Alzheimer's Disease Paired Helical Filament Cytoskeletons: Differentiation from Amyloid Plaque Core Protein," J. Cell Biol. 107(6 Pt 2):2703-2716, The Rockefeller University Press (1988)	
	NPL68	Roher, A.E., et al., "Morphological and Biochemical Analyses of Amyloid Plaque Core Proteins Purified from Alzheimer Disease Brain Tissue," <i>J. Neurochem.</i> 61(5):1916-1926, Raven Press, Ltd. (1993)	
	NPL69	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18(6):263-266, Elsevier Science Ltd. (1997)	
	NPL70	Schenk, D., et al., "Immunization with amyloid-β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400(6740):173-177, Nature Publishing Group (1999)	

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Substitute fi	or form 1449i	В/РТО		Application Number	10/622,087		
INF	ORMA	TION DI	SCLOSURE	Filing Date	July 18, 2003		
STA	ATEM	ENT BY A	APPLICANT	First Named Inventor Martin F. Bachmann			
	(Use a	s many sheets as	necessary)	Art Unit	1648		
				Examiner Name	Michelle Harning		
Sheet	heet 8 of 8		Attorney Docket Number	1700.0350002/BJD			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	Τ ⁴
/MH/	NPL71	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," Nature 399(6738 Suppl):A23-A31, Nature Publishing Group (1999)	
NPL72		Sturchler-Pierrat, C., et al., "Two amylold precursor protein transgenic mouse models with Alzheimer disease-like pathology," <i>Proc. Natl. Acad. Sci. USA</i> 94(24):13287-13292, National Academy Press (1997)	
	NPL73	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)	
	NPL74	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," Adv. Virus Res. 50:141-182, Academic Press (1998)	
	NPL75	Vasiljeva, I., et al., "Mosalc Qβ coats as a new presentation model," FEBS Lett. 431(1):7-11, Federation of European Blochemical Societies (1998)	
	NPL76	Willis, A.E., et al., "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," Gene 128(1):79-83, Elsevier Science Publishers B.V. (1993)	
	NPL77	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Qβ Coat Protein," Biochemistry 28(1):71-76, American Chemical Society (1989)	
	NPL78	Witte, L., et al., "Monoclonal antibodies targeting the VEGF receptor-2 (Flk1/KDR) as an anti-angiogenic therapeutic strategy," <i>Cancer and Metastasis Reviews</i> 17(2):155-161, Kluwer Academic Publishers (1998)	
	NPL79	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," Mol. Cell 3(6):771-780, Cell Press (1999)	
	NPL80	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," J. Virol. 66(9):5393-5398, American Society for Microbiology (1992)	

Examiner Signature	/Michelle Horning/	Date Considered	02/22/2007	
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	ATENT & TI	ADEMA	7			ATTY. DOCKET NO. 1700.0350002/BJD/SJE			CATION NO	
			FORM I	PTO-1449		APPLICANT BACHMANN et al.				
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/IV	/H/	AA1 4,722,840			02/02/1988	Valenzuela et al.				09/19/1985
	<u> </u>	AB1	5,0	71,651	12/10/1991	Sabara et al.				03/05/1990
		AC1	5,1	43,726	09/01/1992	Thornton et al.				11/20/1989
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		AE1	5,3	74,426	12/20/1994	Sabara et al.				10/30/1989
		AF1	5,5	80,859	12/03/1996	Felgner et al.				03/18/1994
,		AG1	5,6	98,424	12/16/1997	Mastico et al.				01/03/1995
		AH1	5,7	39,026	04/14/1998	Garoff et al.				08/13/1992
		AI1	5,7	66,602	06/16/1998	Xiong et al.				01/19/1995
		AJ1	5,7	70,380_	06/23/1998	Hamilton et al.				09/13/1996
		AK1	5,7	89,245	08/04/1998	Dubensky, Jr. et al.				10/30/1996
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	/	AL1	WO 92	2/11291 A1	07/09/1992	WIPO				Yes No
		AM1	WO 96	5/30523 A2	10/03/1996	WIPO				Yes No
	/	AN1	WO 97	7/31948 A1	09/04/1997	WIPO	_ _			Yes No
	/	A01	WO 98	3/15631 A1	04/16/1998	WIPO	_			Yes No
	/	AP1	WO 00)/32227 A2	06/08/2000	WIPO			<u></u>	Yes No
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	/	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of Escherichia coli Type 1 Fimbriae," J. Bacteriol. 174:5145-5148, American Society for Microbiology (1992)								
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۱ <u>۱ - ۱</u>	MH/	AA2	5,79	2,462	08/11/1998	Johnston et al.	+_		1	05/23/1995
	T	AB2	1	4,482	09/29/1998	Dubensky, Jr. et al.	+_		 	10/30/1996
	<u> </u>	AC2		1,747	02/16/1999	Gengoux-Sedlik et al.	+		+	04/28/1995
	T_	AD2		8,647	07/27/1999	Rock	+			09/15/1995
		AE2	1	4,763	12/21/1999	Gengoux et al.	+		 	05/12/1998
	T	AF2	1	4,312	04/25/2000	Larocca et al.	+		†	08/29/1997
	<u> </u>	AG2		1,864 B1	05/15/2001	Birkett	+		 	02/11/1999
	<u> </u>	AH2	1	0,364 Bl	04/30/2002	Mueller et al.	+		1	10/06/1999
	<u> </u>	AI2		/0064533 A1	05/30/2002	Murray	+		 	06/04/2001
		AJ2	1	/0081295 A1	06/27/2002	Schiller et al.	+	•	†	04/13/2001
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Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel β Chemokine Containing Six Conserved Cysteines," *J. Immunol.* 159: 1589-1593, The American Association of Immunologists (1997)

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ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICANT APPLICATION NO. 10/622,087

INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO. 1700.0350002/BJD/SJE

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Koths, K., "Structure-Function Studies on Human Macrophage Colony-Stimulating AR <u>37</u> Factor (M-CSF), " Mol. Reprod. Dev. 46:31-38, Wiley-Liss, Inc. (1997) Kozlovska, T.M., et al., "Recombinant RNA phage Qβ capsid particles synthesized ΑS <u>37</u> and self-assembled in Escherichia coli, " Gene 137:133-137, Elsevier Science Publishers B.V. (1993) Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," Dokl. Akad. Nauk. SSSR 287: 452-455, Erivan Akademiia Nauk AT <u>37</u> Armianskoi Ssr (1986)

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Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," Bio/technology 9:1356-1361, Nature Publishing Company (1991)

500, Current Biology, Ltd. (1994)

Lim, F., et al., "The RNA-binding Site of Bacteriophage Qβ Coat Protein," J. Biol. Chem. 271:31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)

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Moriya, C., et al., "Large quantity production with extreme convenience of human SDF-1α and SDF-1β by a Sendai virus vector," FEBS Lett. 425:105-111, Amsterdam Elsevier Science B.V. (1998)

AS

Muller, A., et al., "Involvement of chemokine receptors in breast cancer metastasis," Nature 410:50-56, Nature Publishing Group (March 2001)

Murphy, Jr., K.P., et al., "Expression of Human Interleukin-17 in Pichia pastoris: Purification and Characterization," Protein Expr. Purif. 12:208-214, Academic Press (1998)

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	/	AS	<u>51</u>	Interaction Arthritis	Nanki, T., et al., "Stromal Cell-Derived Factor-1-CXC Chemokine Receptor 4 Interactions Play a Central Role in CD4°T Cell Accumulation in Rheumatoid Arthritis Synovium," J. Immunol. 165:6590-6598, The American Association of Immunologists (December 2000)						
	1	AT	<u>51</u>	E in the p	ne, S., and Uhl pap operon of E utd. (1996)	l in Esi	n., B.E., "In vitro analys therichia coli," Mol. Micro	sis o	of mRN 1. 21:	A process	ing by Rnase ackwell
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/MH/ _	AS	<u>62</u>	Schlesinge genes," T	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," Trends Biotechnol. 11:18-22, Elsevier Science Publishers, Ltd. (1993)					
/MH/	AT	<u>62</u>	Selkoe, D disease,"	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," <i>Nature 399</i> :A23-A31, Nature Publishing Group (1999)					
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ATTY. DOCKET NO. 1700.0350002/BJD/SJE

APPLICATION NO. 10/622,087

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/MH/	AT	76	Zuercher phage, "	Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," Eur. J. Immunol. 30:128-135, Wiley-Vch Verlag GmbH (January 2000)							
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ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICATION NO. 10/622,087

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ATTY. DOCKET NO. 1700.0350002/BJD/SJE

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ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICATION NO. 10/622,087

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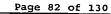
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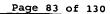
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/MH/	AT	Hui, E. K-W. et al., "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," J Gen. Virol. 80:2647-2659, Society for General Microbiology (1999)						

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FORM PTO-1449

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ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICATION NO. 10/622,087

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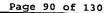
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/MH/	AS	<u>89</u>	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)							
/MH/	AT	89	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage," Protein Engin. 9:797-801, Oxford University Press (1996)							
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICATION NO. 10/622,087

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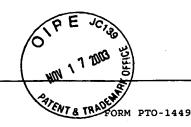
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Page 91 of 130



ATTY. DOCKET NO. 1700.0350002/BJD/SJE APPLICATION NO. 10/622,087

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0350002/BJD/SJE

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/MH/	AS G	92	Tanimori, H., et al., "Enzyme Immunoassay of Neocarzinostatin Using β-Galactosidase as Label," J. Pharm. Dyn. 4:812-819, Pharmaceutical Society of Japan (1981)							
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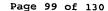
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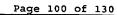
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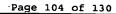
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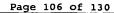
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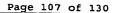
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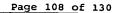
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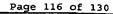
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/M H 7	AS	116	NCBI Entro	BI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., et al. (July 00)						
/MH/	AT	116	NCBI Entro	ez, GenBank R L. (August 20	eport, Accession No.	`AF229646,	from Sk	kerker, J	.M., and	
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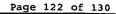
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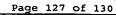
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/MH <i>F</i>	-AR	128	Copy of c October 4	o-pending U.S. , 2002 (NOT E	application 10/264,20 UBLISHED)	57, inventors B	achmann,	M., filed
/MH/ /	AS	128	Copy of c November	o-pending U.S. 7, 2002 (NOT F	application 10/289,49 UBLISHED)	56, inventors B	achmann e	t al., filed
/MH/	AT	128	Copy of c		application 10/617,8° ISHED)	76, inventors B	achmann e	t al., filed
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0350002/BJD/SJE

APPLICATION NO. 10/622,087

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/MH/	-AR	129	Copy of co	o-pending U.S. , 2003 (NOT P	application 10/346,190, in the second	inventors B	achmann et	al., filed
/MH/ /	AS	129	Copy of co	o-pending U.S.	application 10/622,064, i ISHED)	nventors B	achmann et	al., filed
/MH/	AT .	129	Copy of co	o-pending U.S.	application 10/622,124, i	nventors Ba	achmann et	al., filed
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/MH/	AS	The Biology of Animal Viruses, 2nd ed., Fenner, F., et al., eds., Academic Pres New York, NY, pp. 117-119 (1974)						
	†	NCBI Entrez, PubMed Abstract, PMID: 2205968, Diallo, A., et al., "Morbillivirus group: genome organization and proteins," Vet. Microbiol. 23:155-163 (1990)						
/MH/ /	АТ	130	NCBI Entr group: ge	nome organiz	Abstract, PMID: 22059 zation and proteins,"	Vet. Microbiol. 2	: al., "Mo: ?3:155-163	rbillivirus (1990)